

ABSTRACT

The present invention is a lamp current control circuit applied to a high voltage outputting combination for providing uniformity of lamp current of at least one load. Voltage dividing units of the lamp current control circuit receive high power signals output by the high voltage outputting combination and redistributes high power signals to lower power signals. A signal-processing unit receives the lower power signals distributed by the voltage-dividing units, compares the lower power signals with each other, and outputs the compensation power signal to the control unit. The compensation power signal is compared with a reference power signal of a variable unit, and a comparison power signal is output, thereby uniformly distributing the lamp current inside the load. For the above reason, it prevents power loss inside the load or damage to the load from abnormal lamp currents.